EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	299	hanger same tree same string same assembly	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 07:43
L4	203	l3 and wellhead	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 07:43
L5	239	l3 same (above surface rig deck)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 07:44
L6	152	l5 and wellhead	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 07:44
L7	23	(US-20040074635-$ or US-20030111228-$ or US-20060108118-$ or US-20050121198-$ or US-20040079529-$ or US-20020074124-$ or US-20040262010-$ or US-20040112604-$ or US-20030155126-$).did. or (US-6776230-$ or US-6408947-$ or US-6227300-$ or US-7063157-$ or US-6557638-$ or US-4373584-$ or US-4053023-$).did. or (US-3206227-$ or US-3256937-$ or US-3086590-$ or US-3373806-$ or US-3062288-$ or US-3508609-$ or US-3332481-$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/21 08:56
L8	14	l7 and horizontal	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/21 09:10

EAST Search History

S1	316	horizontal adj tree	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 07:25	
S2	264	S1 and above	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/17 16:17	
S3	88	S1 same above	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/17 16:17	*nac*
S4	2652177	assembly	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 07:25	
S5	316	horizontal adj tree	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 07:25	
S6	211	S5 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 07:25	*nac*
S7	1993	tubing adj hanger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 07:25	
S8	114	S7 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 07:26	*nac*

S9	476	completion adj string	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 07:27	
S10	6	S9 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 10:11	*n ac*
S11	167846	above adj5 water	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 10:13	
S12	53990	("166").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/18 10:13	
S13	3048	S11 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 10:13	
S14	11208	christmas adj tree	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 10:13	
S15	197	S14 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 10:13	*nac*
S16	1993	tubing adj hanger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 10:14	

EAST Search History

S17	39	S15 and S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 10:14	nac
S18	2	("20050028980").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/20 10:41	nac
S19	49	horizontal adj christmas adj tree	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/20 10:48	nac
S20	23	S19 with tubing adj hanger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/20 10:41	nac
S21	11212	christmas adj tree	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/20 10:48	
S22	292	S21 with tubing adj hanger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/20 10:49	
S23	115	S22 same (completion adj string tubing adj string)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/20 11:00	nac
S24	984	(166/341,360,345,378,379).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/20 12:04	nac

S25	11212	christmas adj tree	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/20 11:36	
S26	1331	S25 with (surface above adj4 water rig deck)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/20 11:37	
S27	127	S26 and tubing adj hanger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/20 11:37	*nac*
S28	91	S27 and (tubing adj string completion adj string)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/20 11:37	*nac*
S29	20	("20030111228"|"20030196820"|"20040079529"|"20050121198"|"20050121198"|"4605074"|"4907655"|"4962815"|"5267469"|"5287741"|"5337601"|"5507345"|"5704426"|"5803186"|"5826662"|"5979553"|"6152230"|"6227301"|"6318472"|"6609568"|"6732797").PN.	US-PGPUB; USPAT	OR	ON	2006/08/20 12:42	*nac*
S31	251	S24 and tree	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 07:42	
S32	1168	S21 with assembly	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/20 13:12	

EAST Search History

| S33 | 73 | S32 with tubing adj hanger | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/20 13:12 |
| S34 | 24 | S33 with string | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/20 13:13 |

nac

nac